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Agriculture

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Swine Facts

Approved Feed Medications for Use in Swine

The feed additives or medications permitted for use in feed are subject to change. The information contained in this fact sheet was correct at the time of publication. This fact sheet lists each medication and provides a short summary with respect to its use.

Source: Medicating Ingredients Brochures, Food Production and Inspection Branch, Agriculture Canada

Note: Guidelines on the use of additives can change and the producer should always be aware of the most recent recommendations and regulations. To obtain this information, consult the "Compendium of Medication Ingredient Brochure" (MIB) available from the Plant Products Division, Agriculture Canada, Winnipeg, Phone: 949-2236.

Each of the commonly-used feed additives for swine has its own unique instructions for use. Follow directions carefully.

Table 1: Medicating Ingredients Permitted in Canadian Feeds for Swine

Generic Name	Brand Name	Claim Categories
Arsanilic Acid	Arsanilic Acid 20% Pro-gen 20	No Claim
Bacitracin methylene disalicylate	Fortracin 25	Growth Promotant
Carbadox	Mecadox 22 Mecadox 55	Stress Dysentery
Chlortetracycline hydrochloride	Aureomycin 10 Aureomycin 50 Aureomycin 50G Granular Medicated Premix Aureomycin 100G Granular Medicated Premix Chlorachel 50 Chlor 50 Chlor 100	Growth Promotant Enteritis Stress Rhinitis
Chlortetracycline hydrochloride and Furazolidone	Aureomycin 10 Aureomycin 50 Furazolidone 11% Furamedic 11% Heber Roxone 11% Diszone 11%	Enteritis Dysentery

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Generic Name	Brand Name	Claim Categories
Chlortetracycline hydrochloride, Sulfamethazine and Procaine penicillin	Aureo SP250 Aureo SP250 Granular Aureo SP250 Concentrated Aureomix 500G Granular Medicated Premix Chlor 250 Chlorachel 250 Super Chlorachel 250 Super Chlor-250	Rhinitis Stress Enteritis Dysentery
Dichlorvos	Atgard C	Dewormer
Dimetridazole	Emtryl Dimetridazole 30% Premix	Dysentery
Fenbendazole	Safe-guard 20% Premix Medicated Swine Dewormer	Dewormer
Furazolidone	Diszone 11% Diszone 22% Heber Roxone 11% Heber Roxone 22% Furazolidone 11% Furazolidone Concentrate 22% Furazone 22% Furamedic 11% Furazolidone 220	Enteritis Dysentery
Hygromycin B	Co-op Hygromix 8 Hygromix 8 Shur-Gain Hygromix 8	Dewormer
Lincomycin	Lincomix 8.8 Premix Lincomix 44 Premix	Pneumonia Dysentery
Lincomycin and Spectinomycin	L-S 20 Premix	Dysentery
3-nitro-4-hydroxyphenylarsonic acid	3-Nitro-10 3-Nitro-20 3-Nitro-50 3-Nitro-100 100% 3-Nitro-4 Hydroxyphenylarsonic Acid 3-Nitro-4-Hydroxyphenylarsonic Acid 20%	Growth Promotant
Oxytetracycline hydrochloride	TM-10 Premix TM-50 Premix TM-50D Premix TM-200 Premix Oxysol 110 Oxytetracycline 50 Premix	Growth Promotant Enteritis Rhinitis Stress Other: Leptospirosis

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Generic Name	Brand Name	Claim Categories
Piperazine	Piperazine Wormer Piperazine Dihydrochloride Ascarex D	Dewormer
Procaine penicillin and Streptomycin	Pro-strep – 220 Pen P Strep	Growth Promotant Enteritis
Pyrantel tartrate	Pro-Banminth	Worms
Pyrantel tartrate and Carbadox	Mecadox Plus	Worms & Dysentery
Ronidazole	Ridzol	Dysentery
Salinomycin	Posistac	Growth Promotant
Throactive iodinated casein	Protamone	Other: Stimulate Milk Production
Tylosin phosphate	Co-op Tylan 10 Shur-Gain Tylan 10 Tylan 10 Premix Tylan 40 Premix Tylosin 10 Premix	Growth Promotant Dysentery
Tylosin phosphate and Furazolidone	Tylazone 240 Shur-Gain Tylazone 240 Tylazone 480 Shur-Gain Tylazone 480	Enteritis
Tylosin phosphate and Sulfamethazine	Tylan 50/Sulfa G Premix Shur-Gain Tylan 50/Sulfa G Premix	Pneumonia
Virginiamycin	Stafac 22 Stafac 44 Stafac 500	Growth Promotant Dysentery
Zinc bacitracin	Baciferm 50 Bacitracin 50 Zinc Bacitracin 50	Growth Promotant Enteritis

Table II: Medicating Ingredients for Use in Swine Feeds. Categorized According to Their Allowed Claims.

Additive	Level Permitted in Feed g/tonne	Type of Feed	Purpose of Additive	Duration of Feeding	Withdrawal (days)
		A. Growth Promotion (G.P.)			
Arsanilic Acid	50-99	Grower Finisher	G.P. but no claim is allowed.	Up to 5 days before slaughter	5
Bacitracin zinc or Bacitracin methylene disalicylate	4.4	Starter Grower Finisher	G.P.	Up to market weight	0
Chlortetracycline hydrochloride	5.5	Starter Grower Finisher	G.P.	Up to market weight	0
Oxytetracycline hydrochloride	5.5	Starter Grower Finisher	G.P.	Up to market weight	0
Procaine penicillin/ Streptomycin	6.875/ 20.625	Starter Grower Finisher	G.P.	Up to market weight	0
Salinomycin	25	Grower Finisher	G.P.	Up to market weight	0
3-Nitro-4 hydroxyphenylarsonic acid	25-50	Grower Finisher	G.P.	Up to 5 days before slaughter	5
Tylosin phosphate	44 22 11	Starter Grower Finisher	G.P. G.P. G.P.	During starter period During grower period Up to market weight	0 0 0
Virginiamycin	11	Starter Grower Finisher	G.P.	Up to market weight	0
		B. Stress			
Carbodox	55	Starter	Improve weight gains	Up to 35 kg body weight	35
Note: For swine intended for breeding do not feed beyond 45 kg body weight.					
Chlortetracycline hydrochloride	110	Starter Grower Finisher	Maintain weight gains and improve appetite	Up to 10 days after stress condition is eliminated	7

Continued

Additive	Level Permitted in Feed g/tonne	Type of Feed	Purpose of Additive	Duration of Feeding	Withdrawal (days)
			B. Stress (Continued)		
Chlortetracycline hydrochloride/ sulfamethazine/ procaine penicillin	110/110/ 55	Pre-starter Starter	Maintain weight gains and stimulate appetite	Up to 10 days after stress condition is eliminated	10
Note: **This drug is not to be used in grower or finisher rations for market hogs except on the basis of a veterinary prescription.**					
Oxytetracycline hydrochloride	110	Starter Grower Finisher	Maintain weight gains and stimulate appetite	Up to 10 days after stress condition is eliminated	7
			C. Rhinitis; Maintain Growth in the Presence of		
Chlortetracycline hydrochloride	55	Starter Grower Finisher	Maintain weight gains in the presence of atrophic rhinitis	As long as symptoms of atrophic rhinitis persist	7
Chlortetracycline hydrochloride/ sulfamethazine/ procaine penicillin	110/110/ 55	Starter Grower Finisher	Maintain weight gains in the presence of atrophic rhinitis	As long as symptoms of atrophic rhinitis persist	10
Note: **This drug is not to be used in grower or finisher rations for market hogs except on the basis of a veterinary prescription.**					
Oxytetracycline hydrochloride	55	Starter Grower Finisher	Maintain weight gains in the presence of atrophic rhinitis	As long as symptoms of atrophic rhinitis persist	7
			D. Pneumonia		
Lincomycin	220	Starter Grower Finisher	To reduce the severity of mycoplasma pneumonia in growing swine	Feed medicated feed to growing swine as the sole ration for 21 days	0

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Additive	Level Permitted in Feed g/tonne	Type of Feed	Purpose of Additive	Duration of Feeding	Withdrawal (days)
		D. Pneumonia (Continued)			
Tylosin phosphate and Sulfamethazine	110/110	Starter	Prevention of swine pneumonia caused by bacteria sensitive to tylosin or sulfamethazine	Feed medicated feed as sole ration to starter pigs for 28 days	10
Note: **This drug mixture is not to be used in grower and finisher rations except on the basis of a veterinary prescription.**					
		E. Enteritis			
Bacitracin zinc	55	Grower Finisher	Prevention	Up to market weight	0
	110	Grower Finisher	Treatment	5-15 days	0
Chlortetracycline hydrochloride	220	Pre-starter	Treatment	Up to 6 weeks of age	7
	55	Starter	Prevention	Up to 32 kg body weight	7
	110	Grower	Treatment	Until 3 days after symptoms disappear	7
Chlortetracycline hydrochloride/ Furazolidone	110/110	Grower	Prevention	Up to 7 days before slaughter	7
	110/110	Grower	Treatment	10-14 days	7
Chlortetracyline hydrochloride/ sulfamethazine/ procaine penicillin	110/110	Starter	Prevention	Up to 32 kg body weight	10
	55		Aid		
	110/110	Starter	Treatment	Until 3 days after symptoms disappear	
	55	Grower Finisher	Aid		
Note: **This drug mixture is not to be used in grower or finisher rations for market hogs except on the basis of a veterinary prescription.**					
Furazolidone	330	Starter Grower Finisher	Treatment	10-14 days	5
Oxytetracycline hydrochloride	220	Pre-starter	Treatment	Up to 6 weeks of age	7
	55	Starter	Prevention	Up to 32 kg body weight	7
	110	Grower Finisher	Treatment	Until 3 days after symptoms disappear	7
Procaine penicillin/ Streptomycin	27.5/82.7	Starter Grower Finisher	Treatment	Until 3 days after symptoms disappear	0
	55/165	Pre-starter	Prevention	Up to 6 weeks of age	0

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Additive	Level Permitted in Feed g/tonne	Type of Feed	Purpose of Additive	Duration of Feeding	Withdrawal (days)
			E. Enteritis (Continued)		
Tylosin phosphate/ Furazolidone	44/220	Starter	Prevention	21 days	5
			F. Dysentery		
Carbadox	55	Starter Grower Finisher	Prevention and control	Up to 35 days before slaughter	35
Note: For swine intended for breeding do not feed beyond 45 kg body weight.					
Chlortetracycline hydrochloride/ sulfamethazine/ procaine penicillin	110/100 55	Starter	Prevention	Up to 32 kg body weight	10
	110/110 55	Starter Grower Finisher	Treatment	Until 3 days after symptoms disappear	10
Note: This drug mixture is not to be used in grower or finisher rations for market hogs except on the basis of a veterinary prescription.					
Chlortetracycline/ Furazolidone	110	Starter Grower Finisher	Prevention	Feed as sole ration	7
	110		Treatment	Feed as sole ration for 10-14 days	
Dimetridazole	150	Starter Grower Finisher	Prevention in feeder pigs for slaughter only	For 28 days during the period of risk	5
Furazolidone	330		Treatment	10-14 days	5
Lincomycin	110	Starter Grower Finisher	Treatment	Feed for 21 days or until signs disappear. Then feed at lower level for 4 weeks	0
	44	Starter Grower Finisher	Prevention		
Lincomycin/ spectinomycin	22/22	Starter Grower	Prevention	Up to 57 kg body weight	1
Ronidazole	60	Starter Grower Finisher	Prevention	Up to 3 days before slaughter	3
Tylosin phosphate	44	Starter Grower Finisher	Prevention	Up to market weight	0
	110	Starter Grower Finisher	Treatment	21 days	2
Note: During first 3 days for treatment program tylosin tartrate in water should be provided.					

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Additive	Level Permitted in Feed g/tonne	Type of Feed	Purpose of Additive	Duration of Feeding	Withdrawal (days)
			F. Dysentery (Continued)		
Tylosin phosphate/ Furazolidone	44/220	Starter	Prevention	21 days	5
Virginiamycin	110 55	Starter Grower Finisher	Treatment and Control	Higher level for 2 weeks followed by lower level for 4 weeks	0
			G. Worms		
Fenbenzadole	100		Removal e.g. round-worms, nodular worms and whipworms	Feed 1.5 kg of feed per 50 kg of body weight for each day for 3 days	0
Hygromycin B	13.2 13.2	Starter Grower Sow Feed	Deworming Deworming	Feed continuously for 8 weeks followed by 8 weeks off in a rotational manner	2
Levamisole	Deleted as an approved medication under Feeds Act.				
Morantel Tartrate	Deleted as an approved medication under Feeds Act.				
Piperazine	2960	Starter Grower Finisher Sow	Deworming large roundworm and nodular worm	1 day	0
Pyrantel tartrate **Note: Can be used with Carbadox.**	106		Deworming Prevent migration and establishment of large roundworms	5-7 weeks	7
Dichlorvos	See label directions	Starter Grower Finisher Sow	Deworming	See label directions	14
			H. Other Uses		
Oxytetracycline hydrochloride	550	Sow feed for infected sows	Reduce the incidence of abortion in swine caused by Leptospirosis	14 days	7
Thyroactive iodinated casein	227	Lactating sow	Improving milk production	3 days before farrowing until pigs are weaned	0